YES 45 XT
High Performance Storefront featuring Dual Thermal Barriers

Superior Thermal Performance and Structural Integrity
This energy saving storefront system features a dual thermal barrier design to significantly reduce heat transfer and keep internal surfaces warmer. MLP™ (mechanical lock profile) technology delivers superior structural integrity to provide longer vertical spans and horizontal spacings; not to mention its best-in-class thermal performance attributes.

Product Options & Features
- Outstanding thermal performance utilizing standard 1” insulating glass
- Greater efficiency can be achieved with higher performance glass
- Screw Spline Assembly
- Industry leading Sill Flashing Design
- Integrates with Sun Control Products ThermaShade® and Luminance®
- Panning, Trim and Accessories

MLP™ is a trademark of Azon.

U-Factor Values as low as 0.29*
CRF Minimum 66 frame & 64 glass

*Based on AAMA 507. Lower values may be achieved through further simulation.
### SYSTEM SPECIFICATIONS

<table>
<thead>
<tr>
<th>System Sightline</th>
<th>Base Depth</th>
<th>Glazing &amp; Config</th>
<th>Glass</th>
<th>Air Infiltration</th>
<th>Water Infiltration</th>
<th>Acoustical Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>2”</td>
<td>Outside or Inside &amp; Center Set</td>
<td>1” IGU with Low-E (C.O.G. U-factor: 0.29)</td>
<td>0.06 CFM/FT² (1.10 m³/h·m²) @ 6.24 PSF (299 Pa)</td>
<td>Static: 10 PSF (479 Pa) &lt;br&gt; Dynamic: 10 PSF (479 Pa)</td>
<td>Std STC: 32&lt;br&gt; Lam STC: 36 &lt;br&gt; Std OITC: 27&lt;br&gt; Lam OITC: 30</td>
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<tr>
<td></td>
<td>4-1/2”</td>
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<td>ATM E 283</td>
<td>ATM E 331 &amp; AAMA 501</td>
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**Testing Standards**
- ASTM E 283
- ASTM E 331 & AAMA 501
- ASTM E 90 & 1425

**Optional Mullions**
- Expansion Mullion, 135-degree Corner, 165-180-degree Corner and Three-Way Mullion

**Available Finishes**
- Factory Anodized (AAMA 612) and Organic Paints (AAMA 2604 & AAMA 2605)

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### ZOOM MULLION VIEW

- **DUAL THERMAL BARRIER** - Dual pour and debridge design facilitates excellent U-factors in a cost-effective system
- **WARMER INTERIOR SURFACES** - Greater occupant comfort and increased resistance to condensation, with CRF, values up to 66
- **MLP™ TECHNOLOGY** - Lanced retaining edges completely encapsulated by polyurethane. This creates an aluminum/polymer composite with the highest shear test results of all thermal barriers available.

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**Thermally Broken: MLP Technology**

The MLP™ (mechanical lock profile) by Azon, is a structural cavity design that allows for increased thermal barrier cavity size for improving the energy efficiency of aluminum fenestration products. MLP™ is intended for use in high performance building envelopes in the most demanding climates and conditions. The fully encapsulated cavity design is stronger because the displaced metal—where the lanced indentations curve downward—provides more surfaces to mechanically lock and embed the polymer to the aluminium to create a strong, bonded composite.

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**Additional information including CAD details, CSI specifications, Test Reports, Fenestration Product Rating Certificates and Installation instructions are available online at:**